

APPENDIX B

CLAIMS PENDING IN USSN 08/892,695 WITH ENTRY OF THIS AMENDMENT

26. A method of screening for neoplastic cells in a sample, the method comprising:

contacting a nucleic acid sample from a human patient with a probe consisting essentially of a sequence of SEQ. ID. No. 9, wherein the probe is contacted with the sample under conditions in which the probe specifically hybridizes under stringent conditions with the target polynucleotide sequence to form a stable hybridization complex; and

detecting the formation of a hybridization complex, wherein an amplification of said target polynucleotide sequence indicates that said cell is a neoplastic cell.

27. The method of claim 26, wherein the nucleic acid sample is from a patient with breast cancer.

28. The method of claim 26, wherein the nucleic acid sample is a metaphase spread or an interphase nucleus.

47. A method of screening for neoplastic cells in a sample, the method comprising:

contacting a nucleic acid sample from a human patient with a probe that hybridizes selectively to a target polynucleotide sequence consisting essentially of the sequence of SEQ. ID. No. 10, wherein the probe is contacted with the sample under conditions in which the probe specifically hybridizes under stringent conditions with the target polynucleotide sequence to form a stable hybridization complex; and

detecting the formation of a hybridization complex, wherein an amplification of said target polynucleotide sequence indicates that said cell is a neoplastic cell.

48. The method of claim 47, wherein the nucleic acid sample is from a patient with breast cancer.

49. The method of claim 47, wherein the nucleic acid sample is a metaphase spread or an interphase nucleus.

50. The method of claim 47, wherein the probe comprises a polynucleotide sequence as set forth in SEQ. ID. No. 10.